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CareerFocus™

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Facts AND Finds

Personality and Paycheck

Your personality may have a bigger effect on your bottom line than you ever imagined.

Psychology's so-called "big five" personality characteristics (openness, conscientiousness, extraversion, agreeableness, neuroticism) are used by professionals to describe the human personality, but a new study shows that they may also describe how we earn, spend and save money.

Chances are, if you are conscientious, even tempered and extraverted, you probably have more money in the bank than if you're agreeable, open to experience and neurotic.

University of Michigan economist David Weir and University of Pennsylvania psychologist Angela Lee Duckworth collected data on almost 10,000 adults age 50 and older and compared their personality characteristics, their cognitive ability (IQ), wealth, and lifetime earnings records from Social Security.

openness$$
conscientiousness$$
extraversion
agreeableness$$
neuroticism

Not surprisingly they found that people who score high on conscientiousness not only earn more than average, they also save more than average. Even-tempered folks who score low on neuroticism tend to earn more money–but they don't necessarily save more. And while extraverts and introverts earn about the same, it's the extraverts who save more. And perhaps surprisingly, people who score high on agreeableness and openness to experience tend to earn less and save less.

So it seems personality has a real correlation with our work and money habits–as for the personality types that are more fun at parties, that's another study.

Source: "Personality, Lifetime Earnings, and Retirement Wealth," October 2010 University of Michigan Retirement Research Center

Can You Take It?

How are you at receiving criticism? Do you get defensive? Angry? Hurt? Or do you gratefully accept feedback as an opportunity to improve yourself?

And how are you at giving criticism? Do you accuse? Speak bluntly? Offer unsolicited advice? Or do you tactfully ask questions first and make suggestions later?

Basically no one likes being criticized and most of us aren't very good at delivering it either. But criticism has a valuable role to play in the workplace, so we can all use some ground rules for both dishing it out and taking it. "How to Take Feedback" in the March 15, 2011 *Psychology Today* offers a few guidelines.

"Much of our growth and development depends on interactions and other experiences that feel bad. Criticism has a hallowed role in nearly every area of human endeavor," says author Karen Wright.

Some of the rules of giving effective feedback are:

- Lead with a question such as "How do you think you're doing?" so the other person feels included in the solution.
- Don't give criticism unless it's been invited.
- Make sure you have the authority to give feedback. Criticism from those considered unqualified is rarely welcome.
- Distinguish whether your criticism is about another's action or about your preferences.
- Never give feedback when you're angry; instead express disappointment and save the critique for later.
- Criticism makes some people feel attacked and others crushed–know who you're talking to and tailor the message.

Majorly Important

When choosing a career path, men and women are not as far apart as you might guess. There is a lot of overlap in the choice of college majors between the sexes–but a few notable differences too. Men still choose engineering and computer careers in much larger numbers–both fields in which six-figure salaries are commonplace. And women still dominate in English, humanities and liberal arts–fields that pay far more modest salaries. Although money isn't everything, many college freshmen state that becoming financially well off is among their life goals, and the choice of a major can make a big difference in income.

Top College Majors

WOMEN	MEN
Business	Business
Health Professions and Clinical Sciences	Social Sciences and History
Social Sciences and History	Engineering and Engineering Technologies
Education	Visual and Performing Arts
Psychology	Computer and Information Sciences and Support Services
Visual and Performing Arts	Biological and Biomedical Sciences
Communication and Communication Technologies	Communication and Communication Technologies
Biological and Biomedical Sciences	Education
English Language and Literature/Letters	Psychology
Liberal Arts and Sciences, General Studies, Humanities	Security and Protective Services

Source: "Most Popular College Majors for Women" August 10, 2010, Forbes.com

Free Yourself from the Clock

Many good jobs offer flexible work schedules

By James Militzer

If you don't like being tied down to a 9-to-5 workday, career planning presents a special challenge. Should you seek part-time employment, sacrificing income and benefits? Or should you strike out on your own, accepting the stress and financial insecurity that comes with self employment?

According to career experts, there are other options: good-paying, full-time jobs that offer flexible schedules and the security of a steady paycheck.

You create the structure

"A lot of career paths have inherent flexibility built into them," says Pamela Skilling, author of *Escape from Corporate America* and founder of biginterview.com. "Take financial advising. A lot of financial advisors work for companies as employees, but they are responsible for managing their own clients. They decide when they meet with those clients, which affects what their workdays look like. So it's sort of like running your own business, but with the support and structure of a major corporation behind you."

Looking for a good-paying, full-time job that offers a flexible schedule and the security of a steady paycheck?

Skilling says you can find this kind of autonomy in many fields. "In copy writing and technical writing, your employer might be an agency with different writers working with clients on projects. So the company is the one bringing in clients and handling the overhead and billing, and you're just doing what you do best. College teaching, either adjunct or full time, is also flexible. You've got your class schedule and you have to prepare, but you're not beholden to 9-to-5 in a cubicle. And if you're not interested in the academic world, there's the whole industry of corporate training."

The Bureau of Labor Statistics (BLS) reports that financial advisors average $69,050 a year, with technical writers earning $61,620 and post-secondary teachers making $58,830. However, the BLS also states that these jobs generally require a bachelor's or graduate degree.

You provide the talent

But according to Kristin Cardinale, author of *The 9-to-5 Cure*, there are plenty of good-paying, flexible positions available to those with less education. "In creative fields like design, many companies just want to see talent," she says. "So as long as you have the ability and a portfolio that is skillful, you don't necessarily need a bachelor's. And jobs like graphic design are open to a lot of flexibility, because they're very project-based. If a client wants you to develop something, as long as the work gets done by their deadline, it doesn't matter when you do it." Graphic designers average $42,400 a year–a respectable salary even for bachelor's degree holders.

Cardinale says that some information technology jobs are also based more on performance than credentials. "In computer programming, although many people get advanced degrees in computer science, ultimately employers are looking for a demonstration of technical abilities that aren't necessarily gained in a classroom. And in IT jobs, you have a lot of opportunity to telecommute and work for companies on a project basis. You can receive the work and deliver the product online, from wherever your laptop takes you." In computer programming, you can also expect to earn an average of $69,620 a year.

Skilling suggests an even more lucrative option: "Depending on what you're selling, there are a lot of opportunities in sales that don't require advanced education–as long as you've got skills and can develop some experience. And as a sales representative, you generally get a salary, but you're also compensated based on how well you perform. So as long as you're bringing in the numbers and your clients are happy with you, the boss doesn't care where you are at 9 a.m. on Monday." Not bad for a job averaging $70,200 a year.

You define the job

But what if you can't find a single flexible position that meets your income needs? Cardinale has another solution: "In *The 9-to-5 Cure* I talk about the Patchwork Principle: having many small jobs, and bringing them all together in such a way that you have enjoyable work in abundance." She points to herself as an example. Her website, kristincardinale.com, describes her as "a columnist, adjunct college professor, technology instructor, career coach, consultant, seminar speaker, owner of a small technical support business, and serial entrepreneur." Although she has a Ph.D., she says that anyone can emulate her flexible work style.

"If you have an interest and get the technical training, you just need to apply it to the real world in a place that requires talent and skill rather than a lofty degree. It's all about inventorying the skills that you have. You don't need to have lots of college behind you in order to live the life of your dreams." CF

RETAIL with a Capital R

By Nancy Clay

Job seekers already know that "the competitive edge" is crucial to job-finding success. Now students who want to work in a retail setting can earn a Certificate in Retail and Business Operations or an Associate of Applied Science in Retail Management at WCC. Either one is sure to make a job applicant stand out from the crowd.

What exactly do we mean by retailing? "Retailing is the final action needed either to place a product in the hands of the consumer or to provide a service to the consumer. It's the last step in the supply chain process," says Cheryl Byrne, WCC business instructor who coordinated the launch of the new programs.

Retail classes provide students with a competitive edge in a fast growing field.

According to the U.S. Department of Labor there are more than 15 million people working in retail jobs and about 12 percent of all available jobs are in the retail segment. In April 2011, the retail sector added more than 57,000 positions–the biggest monthly gain by far in more than three years.

Distinguish yourself

"Retail is one of those areas that almost anyone can get into, but not everyone is successful once they get a job," says Candice Shavalia, director of training for Busch's Fresh Food Market and one of 15 members of the advisory board to WCC's School of Business/Entrepreneurial Studies. "What are the skills and capabilities that make applicants more attractive to employers? That's what we've been looking at."

The Certificate in Retail and Business Operations, requiring 12 credit-hours, includes three new classes, "Retail Principles and Practices," "Merchandising and Inventory Control," "Business and Supply Chain Analytics," and an existing class, "Managing Operations."

The 63 credit-hour associates program includes 23 credit-hours of general education and 40 credit-hours in the major area, including all the new retail classes and a strong group of other business classes covering Internet business, business communications, creating the customer experience, accounting, business law, finance, performance management, project management and more. The fourth new retail class is a capstone class taken near the end of the program in which students analyze a retail operation.

These new programs prepare students for "Retail with a capital R," says Byrne. "They encompass a whole spectrum of job opportunities in many different areas including car dealers, airlines, food service, gas stations, stores, non-store retailers–any company that sells a product or service. It opens a whole spectrum of job opportunities."

"Retail" continued on page 16

FIND More Online

Associate of Applied Science in Retail Management

Certificate in Retail and Business Operations

STUDENT PROFILE

Judey Kalchik

College, career and success–not necessarily in that order

You don't ever really ever know where life is going to take you. Judey Kalchik learned that at 17 when she graduated from high school with honors and a scholarship to attend a nearby college.

"But my father forbade me to go," she says, fighting back the tears that well up as she recalls this. She doesn't spend any time trying to explain or justify his actions but says simply, "I didn't have any practical skills; I didn't realize what kind of help was available if I went out on my own. I didn't want to upset him so I stayed at home and found a job."

Soon she was married and then the mother of two daughters. While her daughters were in elementary school, she worked part time for Waldenbooks and then Borders Group when the two retailers merged. In 2003 with her children grown and her first marriage ended in divorce, she moved to Ann Arbor for a job in the Borders' corporate office.

Kalchik rose to the position of senior manager of store operations for all U.S. Borders stores when her position was cut in 2010 by the ailing bookstore, which went into bankruptcy earlier this year.

"I would have stayed to turn off the lights if they wanted me to," she says. "But I anticipated the layoff and started looking into community college courses. I'd put my whole life into kids and work and I was ready to earn the degree I'd always wanted."

She recalls a time when she was invited to speak on a Borders career panel for employees. The organizers asked if there were questions she preferred not to answer. She replied, "Don't ask about my education. I don't want to have to admit I don't have a degree."

Today at the age of 50, she's working toward her Associate's in Retail Management at WCC with a plan to transfer to Eastern Michigan University. She's taking two classes a semester and so far has a 4.0 GPA despite working up to 60 hours a week in her new job as a manager with Art Van Furniture.

Although she has years of experience in retail and business, her classes have still taught her a lot. "In my business communication class I discovered I'd been making errors in memos. I learned about things in far more depth than I would have on the job or through books. I could have been better on the job if I'd had this training before.

"I know I will finish my degree. I owe it to that 17-year-old who wanted to go to college." **CF**

LLC

Small Children, BIG JOB

New Associate in Early Childhood Education prepares students for bachelor's degree

"It is important to have specifically-trained teachers working with children, especially those who have learning differences."

By Eleanor Shelton

"One of the best parts of my job is when I see the light come on in a child's eyes, when they 'get it.'" says Zachary Price. "This can happen multiple times a day."

Today Price is the director of a preschool and kindergarten with over 70 children in Charlottesville, Va. and couldn't be happier, but ten years ago he was at loose ends. He was enrolled in the engineering program at the University of Michigan and had decided it wasn't really for him.

One day he stopped in to say hi to a friend who ran a day care in her home. Instead he had a crying baby thrust on him. He quieted the baby and spent time holding and feeding her, and she stayed calm. That experience woke something inside him, and soon after he enrolled in WCC's Child Care Professional program. Ultimately he transferred to U-M and earned his master's degree in Early Childhood Education.

In a field where men make up less than two percent of the workforce Price says he's "one of the few and one of the proud." He comes to work every day excited to see the moments when his young students grasp new concepts.

"The time in a child's life between birth and third grade is critical," says Sally Adler, instructor in the School of Child Care Professionals at WCC. "It is important to have specifically-trained teachers working with children, especially those who have learning differences."

Beginning this fall, WCC will offer a new Associate of Arts in Early Childhood Education that seamlessly transfers to the Early Childhood Education bachelor's degree at Eastern Michigan University. The two-year full-time program combines 61 credits of child development classes with general education classes such as children's literature, history, communication and psychology of child development and a practicum.

The new Associate of Arts in Early Childhood Education aligns with national standards approved by the National Association for the Education of Young Children and the National Council for Accreditation of Teacher Education and guidelines of the Department of Education for the State of Michigan. WCC's generous support services, affordable tuition and evening and weekend class offerings make taking the first two years at WCC very attractive, says Adler.

"I love what I do! Every day is different," says Tracy Winkelman who transferred from WCC's Child Care Professional program to EMU's Early Childhood Education program and now works at The University of Michigan child care center on North Campus.

Not only do students learn the basics of early childhood education, they also learn how to deal with difficulties, says Winkelman. "We learned a lot of current techniques for dealing with children who have autism, or who live in an environment where both parents work long hours or who may have an unstable home life or learning delays," she explains.

"This is a great program. It really raises the bar for early childhood teaching." **CF**

FIND More Online

Associate of Arts in Early Childhood Education

The Power of a Good Story

Storytelling skills can make you a more effective communicator

By Margaret Steen

Your job interview is going well –until the interviewer asks the question you have been dreading: Why did you leave your last job? The truth is, you left without a new job lined up because you wanted to return to school and weren't getting along with your boss. Although you have some regrets about your decision, your main concern now is how to make sure it doesn't prevent you from landing this new job.

In this sticky situation, your career prospects may depend on how well you can tell a story. Can you make the interviewer understand your decision?

Storytelling is not just for fiction. It's an important skill in a job interview, as well as in many jobs.

"A story lets you control the conclusion, to some extent, that the interviewer is going to come to," says Richard Phillips, a career coach and owner of Advantage Career Solutions in Palo Alto, Calif. Perhaps your story ends with you going to school to learn skills that will help you in this new position, for example. "It's like you're saying, 'And the moral of the story is….'"

Why stories matter

Storytelling is not just for fiction. It's an important skill in a job interview, as well as in many jobs. The reason? "Narrative is a basic human cognitive function," says Peter Brooks, an Andrew W. Mellon Foundation Scholar at Princeton University in comparative literature and the University Center for Human Values. "It's one of the ways we make sense of the world."

One reason we organize information by placing it into narratives with a beginning, a middle and an end, Brooks says, is that "we are time-bound by our mortality: Passing time is very important to us."

The result: Jobs from preacher to attorney to coach require storytelling skills.

For Nikki Dequin, head softball coach and kinesiology instructor at Gavilan College, a community college in Gilroy, Calif., telling stories helps her connect with her students and her softball team. She tells her team a story, for example, about the person who once told her that "this program wouldn't ever be successful."

"That was my motivation to make it successful," Dequin says. "I share that with my athletes to get them motivated to do well."

In legal disputes, putting the facts together into a story can make or break a case. Ramona Farrell, a managing partner for Ueltzen & Co. in Sacramento, Calif., recently worked on a real estate fraud case. "The attorney on our side kept saying, 'Where's the smoking gun?'" The problem was, there wasn't a smoking gun, one single action that would conclusively prove the fraud.

So they turned their list of small issues into a story: "Through telling a story, we were able to show over and over again all of the inappropriate activities of the partner who was managing the money," Farrell says.

Tell it well

There are several strategies for making storytelling work for you in your career:

- When you make a point, back it up with a story. Say you want to impress on an interviewer how hard you work. "You can just state it: 'I am a hard worker,'" Phillips says. "What does that mean? If you tell the story about the hardest work you've ever done, that comes alive in the interviewer's mind." Note that with this strategy, you can use a school project or volunteer work to illustrate a job-related skill if you don't have the work experience.
- Make sure your story has the right moral. This is especially tricky when you're explaining what you learned from a mistake. You don't want to tell a story in which you blame all your coworkers for the project that was late. "You want to end up with always taking responsibility," Phillips says.
- Develop the skills you need. You need to "engage people, to put a good spin on it, and to keep the attention that you need," Farrell says. Consider taking a public speaking class if your stories are oral rather than written.
- Learn a concise story format. All stories have a beginning, a middle and an end. To illustrate your skills in a job interview, for example, start with a problem, outline the solution and finally describe what you learned. You don't want your story to ramble.
- Practice adding details. Specifics make stories memorable. "A story has a kind of richness and texture and detail to it which is very important to convincing people," Brooks says. "The more you can bring a whole host of details into the story and order them, the more you'll be convincing."

With these storytelling tools in your arsenal, you'll be on the road to success in the job market–and in the job you get afterward. CF

Is Work Bad for Your Health?

Sitting, snacking and stress can add up to too many pounds

By Laura L. Crawford

Only about 26 percent of American adults get more than 30 minutes of exercise a week. Add to that a couple of donuts and a bag of chips each day, and it's not too hard to understand why 68 percent of us are either overweight or obese.

While the solution is to make better food choices and get more exercise, the typical workplace often doesn't support healthy habits. The big question is: How can you fit more exercise and nutritious eating into your busy work life?

Actually your first question should be "why" says Pete Thomas. Identifying the reason you're overweight is the first step toward doing something about it, he says. In 2005, Thomas lost 185 pounds and won a $100,000 prize in season two of NBC's *The Biggest Loser*. Today he devotes his career to helping others reach their own weight loss and wellness goals. As a motivational speaker and teacher, he travels the country sharing his principles for success and has developed a 10-week health and wellness course for individuals and organizations. Find details at petethomasonline.com.

While it's nice if your company culture supports health, don't be afraid to take the lead. When one person changes for the better, others follow, and the corporate culture begins to change.

The reasons for unhealthy habits can vary from simple to complicated, says Thomas. "For some people, the cause can be traced to a life event such as a divorce, a new child, or a new job that caused them to begin eating more or stop exercising," he says.

"Other people will have to look deeper. It might be the way they were raised or a chaotic family situation."

But once you know the cause, you can begin to master your mind, set goals and make changes.

Change your behavior

When it comes to making changes to long established habits, Thomas recommends something called the Kaizen method. Break your goals down into small manageable changes and practice that change over and over until it becomes a habit.

Want to increase your fitness? Start with a goal of taking the stairs every day, and gradually work up to a daily walk and perhaps later add some jogging.

Want to end your tendency to eat when stressed? Start by having healthy snacks on hand so you can reach for an apple and some nuts rather than buying donuts from the vending machine. Later you can eat that apple while going for a walk, and ultimately you'll learn to take a walk to deal with stress instead of eating.

Changing your habits requires planning, says Thomas. "Willpower is incredibly overrated," he adds. Strategies to avoid temptation work better.

"If you can't resist the vending machine, plan a detour around it. Bring healthy food from home to eat instead," he says.

Getting others to support you is also important he emphasizes. While it's nice if your company culture supports health, don't be afraid to take the lead. "When one person changes for the better, others follow, and the corporate culture begins to change," says Thomas.

Create a healthy culture

Fortunately, more companies are realizing that a healthy workforce is an asset. A 2009 survey conducted for the National Business Group on Health found that 58 percent of the companies surveyed offered some kind of lifestyle improvement program and 52 percent offered some type of weight loss program.

Gulf Power, headquartered in Pensacola, Fla., began offering their 1,400-plus employees a comprehensive results-oriented wellness plan in 2001. Last year, 85 percent of the employees participated in some aspect of it. Incentives for participation in the programs include discounts on health insurance, gift cards and other gifts.

Each year, the program begins with an annual health risk appraisal to determine which heath issue the company should address. Along with websites, newsletters and seminars to provide health information, every year Gulf Power offers several 8-12 week health improvement programs. One such program encourages eating more fruit and vegetables, another encourages fitness and a third teaches stress reduction.

Gulf Power also offers three on-site fitness centers for employees to use. In addition, the company tracks the effectiveness of their programs in improving their employees' health.

Deborah Napier, a certified health education specialist who developed the company program, says, "This is a strategic approach to health promotion that is based on the needs of the population and measures results.

"Our programs aren't necessarily focused on weight loss but that's often a by-product," says Napier. "We encourage everyone to participate. Some people may not need to lose weight but still need to improve their health." CF

A Career in Imagination

New Certificate in 3-D Animation provides essential skills

By Laura L. Crawford

What could be better than making a living by conjuring up fanciful creatures and imaginary worlds in which millions of people happily escape the drudgery of the daily grind?

"Animators are lucky. We get to make dragons and monsters every day. But we're not just messing around; people hire us to do this," says WCC instructor Randy Van Wagnen who teaches 3-D animation and has worked as an animator since the mid-1990s.

3-D animation has come of age. Just ten years ago it was hard to find a college program in computer animation anywhere, and in 2006 WCC was at the forefront by introducing a new associate's degree program dedicated to 3-D animation. Today more art schools and community colleges are adding programs of their own.

"Animators are lucky. We get to make dragons and monsters every day. But we're not just messing around; people hire us to do this."

That's because opportunities for animators are growing. 3-D animators can find jobs creating video games, movie special effects, full-length features and commercial productions. And animation studios are popping up in many big cities, not just in New York and L.A.

The U.S. Bureau of Labor Statistics confirms that the demand for animators is on the rise and puts median wages at about $56,000 a year, with earnings in the movie industry somewhat higher and those in the top 10 percent earning up to $100,000 a year.

"There is a huge demand nationwide because animation doesn't require a lot of infrastructure. Studios just need artists, programmers and a place to do the work," says Van Wagnen.

From WCC to Nickelodeon

Zechariah Hutton is one of those lucky animators who found a great job soon after he earned his degree. In June, he started his new job as a character modeler for Nickelodeon TV in Burbank, Calif. With an Associate's in 3-D Animation from WCC in 2008 and a bachelor's degree in computer animation from Full Sail University in Florida in 2010, he was thrilled to be hired by one of the top animation studios in the country.

"From the very first 3-D animation course I took at WCC, I knew that this was what I wanted to do," says Hutton. "I was sure I wanted some kind of career in art and I loved playing video games so I really liked the idea of working in animation."

Hutton completed his associate's degree while enrolled at Washtenaw Technical Middle College, a unique charter high school on the WCC campus, which allows students to graduate from high school with a certificate or associate degree.

With that foundation, he completed his bachelor's degree at Full Sail in just two years. "All my gen. ed. requirements from WCC transferred to Full Sail, so I could just focus on taking 3-D classes," he says. "Plus I already had basics in 3-D that put me way ahead of the other students who were just starting from high school."

Transfer or add skills

Animation requires both drawing skills and video skills. Not only do animators digitally draw and animate characters, they must light and frame them much as a filmmaker would. While students learn to use the tools of the trade –everything from the animation program Maya to Photoshop, After Effect and Final Cut Pro–they also learn to be artists.

And as the job opportunities grow, more studios are requiring bachelors degrees of new hires. That's one reason that WCC has added a certificate option to the 3-D animation program.

"Some students want to take only the animation classes and then transfer to a four-year art school like Full Sail or the Savannah College of Art and Design," says Van Wagnen.

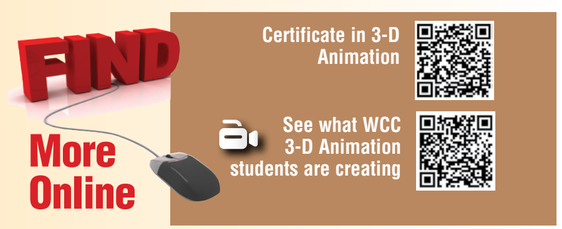
"Other students already have a bachelor's degree in a related field like fine art or design, and want to just concentrate on adding animation skills. The certificate makes sense for both kinds students," says Van Wagnen.

While the 68-credit associate's degree in 3-D animation combines general education requirements with animation, art and video classes, the new 28-credit certificate in 3-D animation focuses exclusively on animation skills.

"I learned a couple of important things at WCC," says Hutton.

"First, this industry is always evolving, and you have to be self-reliant about keeping up with the newest software innovations, and second, you must remember that this career is art-based. While you can get caught up in the software, if you haven't developed a good aesthetic eye and art skills, the software won't save you."

Van Wagnen seconds that, "I tell students that they aren't learning to be Maya users, they're learning to be artists using Maya to create something the way a painter uses a brush." CF



The Renaissance of Web Programming

WCC introduces a new advanced certificate

By Laura L. Crawford

You'd be crazy to consider a career in computer programming. Didn't all those jobs disappear off shore to India a few years ago?

"Not as much as people might think," says WCC instructor Clem Hasselbach who teaches several Web programming classes.

"Back in about 2004, enrollment in our computer science classes dropped because people worried that the jobs were being outsourced to India," he continues. "But we never lost as many jobs as people thought, and today we have more demand and fewer graduates to fill the positions.

"In fact many companies have realized the foolishness of farming out important programming assignments to a remote site in India.

"Successful programmers are logical thinkers. They have to be able to look through a mess and see the structure in it."

"Computer programming is still a good career choice. The only caution is that the field keeps changing, and programmers have to keep learning to keep up with new technology," says Hasselbach.

And Web database programming seems like an even better choice. "As far as I can tell, the Web only seems to be growing," says Hasselbach as he explains the new Advanced Certificate in Web Database Programming.

The nuts and bolts of the Web

The advanced certificate prepares students to manage the "back-end" of a website; that is, everything that keep a site humming along such as user recognition, catalogs, schedules, calendars and shopping carts.

While many students in WCC Web programming classes are working toward an associate's degree or transfer, many more already have bachelor's degrees, are working in the industry and are taking classes to upgrade their job skills.

The new Advanced Certificate in Web Database Programming offers more options for students to boost those credentials.

For students who have some programming experience or a basic class in Java or C# programming, the certificate requires only four classes for completion. Students can mix and match programming languages (Java, PHP and C# are the big three) and add a basic database class, an Advanced Web Concepts class, and a class on programming for Android devices.

"It's a multilingual type of program with a lot of flexibility," says Hasselbach.

In a July 2010 article on eWeek.com, a website dedicated to high-tech news, Java and C# were listed among the most in-demand programming languages. The salaries for programmers look good too. According to the U.S. Bureau of Labor Statistics, programmers earn a median salary of about $70,000 a year, and can top out just over $100,000 a year.

"Successful programmers are logical thinkers, says Hasselbach. "They have to be able to look through a mess and see the structure in it. Usually this means people who are good at math and science, but I've seen musicians, artists and English majors excel at this too."

Human thinking and computer thinking

Andrew Gefre agrees with that: "Programming is problem solving and there is always a new or different way to do it that's more effective, efficient or sophisticated." Gefre graduated from WCC with an associate's degree in computer programming in 2010 and is now completing his bachelor's degree in computer science at Eastern Michigan University where he also is a Web database programmer for the university's website.

He has been programming since he was in elementary school but he didn't take any formal classes until he entered WCC. "I knew I wanted to be in computer science but that's when I discovered my real passion was programming.

"Probably the most interesting thing about programming is the challenge of translating information from human thinking to computer thinking in a way that makes it accessible to users," he says.

"Web programmers are responsible for the aspects of the website that are dynamic and database-driven. For example, I'm creating an online application that will allow users to search our entire database of board of regents policies," he explains.

"One of the most important things I learned at WCC was that it's not the language that's most important to master, it's developing the analytical process and a way of thinking about problems," says Gefre. "That's something that requires sitting at a computer, practicing and making mistakes. It was good to have plenty of lab time to work on that."

Once he completes his degree, Gefre would like to go to work in systems programming for a large corporation. While there are opportunities locally, other places such as Houston and the Baltimore and D.C. areas are on his radar too.

"The Web is still really big right now and there is a lot of opportunity and room for new ideas. Even in hard times the Web is still growing." CF

Eco-logic

Begin a career in environmental science at WCC

By Eleanor Shelton

Each day, the news is filled with environmental issues that impact our daily lives, often in huge ways.

In Japan, nuclear power is under scrutiny as a result of the recent catastrophic meltdown of the Fukushima plant after the massive earthquake and tsunami. In the Gulf of Mexico last year, millions of gallons of oil gushed unchecked for months with untold effect on wildlife, waterways and wetlands. In the American South and Midwest this year, a season of devastating tornadoes and floods left thousands homeless.

"Environmental issues are incredibly important and impact our health, safety and wellbeing, our pocketbooks, our economy and even our survival as a species. We should all be concerned and working toward solutions."

But in Chicago, city planners, anticipating rising temperatures over the next 50 years, are designing landscapes with swamp oak and sweet gum trees suited to warmer regions. Last year General Motors and Nissan both introduced new electric-powered vehicles. Over the past decade, production of solar and wind power have increased rapidly as more consumers are demanding energy efficient, recyclable and sustainable products.

A foundation in the sciences

Understanding the science behind these environmental issues is the first step toward adapting to changes in climate, energy and resources. And more cities, states and corporations are turning to people with the training and education to do it.

"Environmental issues are incredibly important and impact our health, safety and wellbeing, our pocketbooks, our economy and even our survival as a species. We should all be concerned and working toward solutions," says Emily Thompson, WCC life sciences instructor.

Beginning this fall, WCC offers a new Associate in Science Environmental Science degree designed for students who plan to transfer to a four-year college and pursue a bachelor's degree.

The program requires coursework in biology, chemistry, geology and physics along with two brand new courses focusing specifically on environmental science. In these courses, students identify environmental problems and develop solutions that work at the local, state, national and global levels.

"The environmental science program will bring science alive for our students as well as give students a good foundation for those who want to continue their education with a more rigorous four-year science program," says Marty Showalter, WCC dean of math and behavioral sciences.

"They dovetail with what the college has been already doing on our campus. Students can see practical examples in our renovated green buildings, our ponds, prairies and even our HVAC systems. The campus is a huge laboratory!" she adds.

The jobs

Environmental science provides a foundation for a variety of green occupations. The U.S. Bureau of Labor Statistics defines a green job as one "that produces goods and services that benefit the environment or conserve natural resources" or a job "that makes production processes more environmentally friendly or use fewer natural resources." That covers a lot of area from production workers, installers, and technicians to scientists, salespeople and managers–and all of these occupations can benefit from a general foundation in environmental science.

But for students who plan to specialize in environmental science, WCC's environmental science program can be the first step toward a professional degree too.

Environmental scientists, conservation scientists and environmental engineers are specialists who study specific environmental issue from land and water use to wildlife habitat to energy consumption and waste disposal.

According to the U.S. Bureau of Labor Statistics, conservation scientists can expect to earn an average of $60,000 a year, environmental engineers average about $77,000 and environmental scientists with a graduate degree can expect an average of $65,280.

At work in the real world

Washtenaw County park naturalist Shawn Severance uses her knowledge of ecology, wildlife biology, botany, geology, chemistry and physics every day to maintain and preserve wildlife habitats within the county's almost 4,000 acres of parks, nature preserves and trails that are open to the public.

"I took a lot of science classes when I went to the University of Michigan and it helps me think rigorously about land problems," says Severance. "For example I use the principles of physics when I work on a stream restoration. I use my knowledge of meteorology and weather patterns when I schedule a prescribed burn, and geology is very important when I'm working with different plant species."

Kathy Buck, an architect and senior project manager for Neumann/Smith Architecture in Southfield, Mich. specializes in designing buildings using sustainable strategies and relies on her background in environmental science to make decisions every day.

"I need to have a broad background in the sciences as well as an understanding of mechanical and electrical systems so I have a common language with the experts I'm working with," says Buck.

"For example I had to determine what kind of exterior glazing assemblies should be used to reduce heat loss from buildings in the winter and heat gain in the summer.

Green building is no longer considered a luxury either. "More and more data supports the notion that green construction is healthier for employees and all building users, which means fewer sick days away from the office and more employee satisfaction while at work," says Buck.

"A lot of our clients realize these benefits and actively look for sustainable strategies when designing new buildings." CF

Greenovation

Environmental science classrooms will have a green home

Classrooms for WCC's new environmental science program will be housed in the newly renovated Occupational Education building, the College's newest energy-efficient and environmentally-friendly building.

The two new environmental science labs will look just like conventional biology labs, but they will be located inside a building that is heated and cooled by geothermal energy and covered with a vegetated roof.

The Occupational Education building will be WCC's third LEED-certified building and its second green renovation. LEED is a certification sponsored by the U.S. Green Building Council that designates a defined level of environmentally sound building practices and energy efficiency standards. The WCC Health and Fitness Center construction reached gold LEED certification and the Technical and Industrial building renovation is seeking LEED gold certification as well. WCC plans to achieve gold LEED certification with the OE renovation.

What makes OE green?

About 80,000 square feet of the OE building will be heated and cooled by 141 400-foot deep geothermal wells that draw on the earth's constant underground temperature to provide heat in the winter and cooling in the summer. Geothermal systems greatly reduce reliance on fossil fuels and dramatically cut heating and cooling costs.

- Equipment in the HVAC classrooms located in the OE building will be connected to the geothermal system so that students can learn about these energy-efficient systems.
- The geothermal system will also provide heating and cooling for the 3,000-square foot Campus Security office, which is being built in a new parking structure adjacent to the OE building.
- About 11,000 square feet of the OE roof will be a living, vegetated roof covered with hardy, low-growing plants. This roof insulates the structure and further reduces heating and cooling costs but also absorbs rainwater and slows storm drainage from the building. The Campus Security Office will also feature a vegetated green roof.
- A central atrium lounge area in the OE building will provide access to the rooftop for classes to study the vegetated roof.
- The remaining roof area will be a "high albedo" rubber surface, which reflects sunlight for more efficient cooling.
- Motion sensors, efficient fluorescent lighting and variable speed air handling fans will further reduce electrical consumption.
- Low-flow toilets in the restrooms will use a mere pint of water per flush compared to 1.6 gallons for conventional toilets.
- Two "green touch-screens" located in the OE will provide students and visitors with information about the energy-saving features of the building and allow them to access graphs of the energy usage in the structure. CF

STUDENT PROFILE

Michael Bornancin

Love of outdoors grows into a sustainable career

Camping, hiking and fishing were just part of growing up for Michael Bornancin. After high school, he left his home in the suburbs of Chicago and moved to Alaska where he found work in commercial construction and took advantage of the state's abundance of natural places.

When he began to think about college and a career, he considered going into forestry but decided instead to combine his respect for nature with his experience in construction and pursue a career in sustainable building.

"I saw a lot of waste at construction sites and realized things could be much more efficient. It's important to be conscious of our effect on the environment," he says.

"I'm not an extremist but I keep my air conditioning off as much as I can, I ride my bike a lot, and every year I'm part of a river clean up back in my home town."

Life's twists and turns brought him to Ann Arbor to live with an old friend who was attending the University of Michigan, and Bornancin decided to enroll at WCC in 2009.

"It had been five years since I was in the classroom and I hadn't been much of a student. I had no direction, and I got in a lot of trouble," he says sheepishly.

So he was surprised that his placement scores were pretty good. Soon he was enrolled in basic classes and discovering that with a little hard work he earned good grades, especially in math, science and writing classes. "I got A's on my papers and my confidence grew. I got a lot of encouragement from my teachers," he says.

Bornancin transferred to Eastern Michigan University's construction management program this summer, so he didn't get an opportunity to take either of the two environmental science classes that WCC will begin offering this fall. "But I would have if they'd been available," he adds.

"I took Emily Thompson's biology class and it was great. A paper I wrote for her class really got me interested in sustainable building design. I'd love to build energy-efficient, low-income housing. I think it's really important to educate people about the environment." CF

– LLC

Michael Bornancin describes his decision to purse a career in sustainable building.

FIND More Online

Associate in Science Environmental Science

Don't Give Up!

How to keep your graduation goal on track

By Anita LeBlanc

Just as marathon runners aim for the finish line, college students plan to graduate. Sadly, just as the highest percentage of runners surrender during the middle of a race, the United States Census Board estimates that one in three college students falter midway toward graduation. The good news is that by identifying and reinforcing your reasons for getting an education, and identifying potential pitfalls and putting plans in place to circumvent them, self-motivation can keep you from being one of them.

What's your why?

Rene Godefroy, motivational speaker and author of *Kiss Your Excuses Goodbye: No Condition is Permanent*, says, "Life is like a bicycle. Unless you keep pedaling, you'll lose your balance, fall and get nowhere. It's important not to lose your momentum." He says that in order to keep pedaling toward any long-term goal, individuals must have an emotional, intrinsic driving force: a personal "why" that helps them persist in short-term goals.

"Life is like a bicycle. Unless you keep pedaling, you'll lose your balance, fall and get nowhere. It's important not to lose your momentum."

Jon Gordon, author of *The Energy Bus* and *The Seed: Finding Purpose and Happiness in Life and Work,* says, "We don't get burned out because of what we do, but because we forget *why* we do it."

He and Godefroy assert that identifying the reasons you want to successfully graduate, writing your vision down and referencing it often, is imperative. Godefroy emphasizes that a bland statement such as, "I'm going to college to get an education and a good job." means little. He believes it's important to incorporate into your vision the personal emotional impact of having your degree–*freedom* from financial insecurity, *pride* in your accomplishment, a career you *enjoy* rather than endure unsatisfying work.

Motivation busters and boosters

Distractions, the biggest motivation busters, tempt the most dedicated student after the early enthusiasm of campus life begins to wane. Small-picture pleasures, such as sleeping in, watching television or going out with friends when you should be in class or studying, can ruin your big picture future. Identifying external and internal distractions and having a strategy for keeping them at bay is instrumental.

Surprisingly, says Gordon, close family members and friends can sometimes be among a student's greatest distractions. "They may unconsciously be intimidated by your desire to change your lot in life, thereby encouraging you to take a right-now job or a semester off, stay up and party or otherwise disparage your education." He recommends promptly throwing these naysayers and energy vampires under the wheels of your bus, and actively inviting and keeping your mentors and cheerleaders aboard.

He also suggests identifying three positive actions that you can take each day that will help you toward your goal: reviewing class notes, studying regularly, visiting a tutor or getting a good night's sleep. Godefroy agrees with Gordon about the importance of selectively choosing energy-boosting people and activities. "In the end, we'll be most proud of those that ultimately gave our lives meaning and purpose."

Gordon warns would-be graduates about the dangers of too much busyness and stress. Too much of these increase cortisol, the fight-or-flight stress hormone that can impair cognitive performance, cause confusion and forgetfulness and make it difficult to concentrate. He says that when overwhelmed, it's important to take deep breaths and a "thank-you walk."

"You can't be stressed and grateful at the same time," he explains. "Exercise is a great stress reliever. As you walk, remember with each step how lucky you are to get to go to college; many others can't. Reflect on the many good things in your life. You'll relax and your mind will be fertile for success."

Stick to your optimistic story

Proudly acknowledging each small goal you meet–the nights you study when you'd rather be out with friends, successfully completing a paper, a class or semester–can help you "keep on keeping on" says Gordon.

He believes that each of us chooses a story to follow, one in which we are a hero or victim. "Heroes are people who choose not to be victims but victors. They reinforce to themselves a dream of a future based on positive faith rather than negative fear," he says.

"Sustaining yourself with hope, faith and action will increase your motivation and nourish your commitment to your education. The skills you learn and put in place to keep you motivated as you pursue your education will remain your allies as you embark on your new career and life." CF

Maintaining Momentum

Can you stay focused on the big picture?

By Anita LeBlanc

The following quiz will help you determine if you know how to harness your personal power, reject self-sabotaging behaviors and keep yourself motivated toward graduation.

1. I'm going to college because:

A. I need a degree to get a good job.

B. I'll have more freedom and pride in my career, financial and personal choices after I complete my education.

2. Your uncle can get you a job with a decent hourly wage and benefits. You should:

A. Take it. You're tired of being a starving student, and will eventually return to your studies.

B. Stay in school. You made a commitment to graduate and you're sticking to it.

3. Friends invite you to watch movies but you had plans to study for an exam. You decide to:

A. Stay in and study. Your graduation commitment is too important. You'll make plans to do something special with your friends when your schedule allows for it.

B. Go for it! College is about good times. What's one night off? You'll get up early and hit the books.

4. You frequently find yourself depleted after meeting with your best friend who doesn't seem to be going anywhere. You decide to:

A. Keep the friendship. You owe it to your long-time friend who has been there for you for years.

B. Curtail the friendship. It may be painful, but you need all the energy you can muster to keep your graduation goal on track.

Answer Key

Give yourself one point for each correct answer.

1-B A degree certainly can bring career opportunities, but to keep yourself doing the things you need to do to graduate, you must identify your personal emotional "whys."

Rene Godefroy says that external motivations, such as going to college to be with your friends or because your parents or spouse insist upon it, won't keep you attending classes you may not like, enduring instructors you find boring and making other necessary sacrifices.

"Each person must take responsibility to find within themselves their emotional triggers, the ones that passionately drive them to persevere," says Godefroy. Identifying these, writing them down and frequently referencing them will keep them alive, and help compel you to keep working toward graduation.

2-B The Public Agenda Report for The Bill & Melinda Gates Foundations, *With Their Whole Lives Ahead of Them*, says that while 65 percent of students who drop out of college plan to return, only about 38 percent do so.

The reasons most students fail to complete their college credential is because they are overwhelmed, overextended, underfunded and under-prepared. Fifty-four percent say they left because they needed to work to support themselves or their families, and could not balance work and classes.

Godefroy says that recognizing financial, mental and emotional challenges in advance and putting plans in place to meet them–checking into securing financial aid or a loan, setting and adhering to proper sleep, work and study schedules, and determining the ways you and your family and friends will deal with the challenge of your college commitment–is the smart way to begin and stay in school.

3-A Most of us have heard the aphorism "The road to hell is paved with good intentions." Likewise, "The road to failure is paved with distractions."

Jon Gordon says, "Distractions cause us to lose our focus. When we allow the trivial to get in the way of the meaningful, we miss out on achieving our truly satisfying goals."

Certainly make time in your schedule for rest and relaxation, but don't lose focus on your goal and the importance of taking each step toward it. When tempted to let your studies slide, remember how great you'll feel from getting a good grade and how you can only get that feeling from hard work and sacrifice–and then get to work!

4-B Gordon and Godefroy agree that the people we surround ourselves with are a big part of who we become. If you wish to be a motivated student you must surround yourself with other motivated students who encourage you to work hard and study, and limit your time with those who lack direction.

Scoring

4-3 points: You're so motivated that your diploma is nearly in your hands.

2-1 points: You are on the right track, but a little more motivation could help.

0 points: If you want to stay in motion, you've got to begin moving. Now.

Feature

All Kinds of Students All Kinds of Support

Not a typical student? Don't worry, community colleges know how to help

By Eleanor Yates

What you do know is that you're ready for college. Perhaps you know exactly what you want to study. Then again, maybe you don't. That's why community college counselors are there to help you select a program that fits your interests and skills.

Students have different needs

If you've been out of school for a number of years, perhaps the idea of returning to the classroom is daunting. Maybe you're concerned about how you will balance a job, family and other responsibilities. That's why at community colleges you'll find counselors to assist you not only in academics but also in your personal life.

"At a community college, students may be enrolled in workforce training, obtaining a certificate or taking a single course. We find out our students' needs, become good listeners and counsel accordingly."

"At four-year institutions, counselors primarily see students who are recent high school graduates," says Cindy Klauck, director of counseling at Piedmont Technical College in Greenwood, S.C. "But community college students are diverse in age and socioeconomic backgrounds." Klauck says counselors are aware that students may have problems with transportation, child care, and their jobs. In addition, students may have been out of the classroom for years and their skills are rusty. Many have lost confidence in themselves.

Attention to academics

While not every community college is the same, all colleges will offer some kind of academic counseling in which students can take personality assessments and learn about careers and salaries. At most colleges, students also benefit from enrichment and academic success workshops, one-on-one counseling and contact with counselors by phone and email.

Some colleges offer more intense academic counseling for those with challenges. For example, Piedmont Technical College offers comprehensive academic counseling to students from low-income families, students who are first to attend college in their family and students who have disabilities.

Community colleges are paying closer attention to their first-year students through comprehensive programs that include academic counseling. Highland Community College in Freeport, Ill. offers a First Year Experience program in which students learn to improve their study habits and tap into campus resources to become more successful, according to Liz Gerber, associate vice president for student services at Highland.

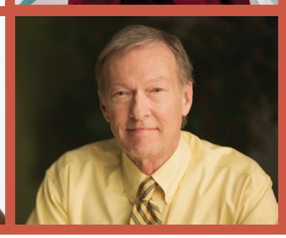
If you plan to attend community college for two years and transfer to a four-year institution, it's important to work closely with the university transfer department counselors at your community college. They will make sure that your courses will transfer successfully to the college or university you plan to attend. The counselors help you meet your deadlines.

Approximately 70 percent of the students at Monroe Community College in Rochester, N.Y. are now transfer students, according to Chris Belle-Isle, director of the Career and Transfer Center there. Monroe is among a growing number of community colleges that are increasing their articulation agreements, including with online universities.

"We try to keep on top of new interests, demands and programming efforts," says Belle-Isle." Last year Belle-Isle and his staff handled almost 1,500 counseling appointments. These included academic advisement, questions about university transfer, career interest, job search information and study abroad information.

"At a community college, students may be enrolled in workforce training, obtaining a certificate or taking a single course for the boss for a promotion," says Belle-Isle.

"Support" continued on page 16



NEWS

The Envelope Please…

Voices carry

Big kudos to WCC's student-run newspaper, *The Washtenaw Voice*, for bringing home a slew of awards from the annual Michigan Community College Press Association Awards held this year on the Campus of Central Michigan University. **The Washtenaw Voice staff took home a total of 37 awards,** 13 of them first place winners including a "General Excellence" award for best overall newspaper.

Other first-place awards covered wide-ranging categories from layout, illustration and ads to news, editorial, columns and sports to feature photography and online publication and a tongue-in-cheek "turkey" prize.

Waiting for Emmy

For the third year in a row a production by a WCC Digital Video student was nominated for an Emmy. **Jesse Meria's documentary, titled "One Story of Many"** is an 8-minute video that powerfully describes how one man lost three family members to violence in Flint, Mich. While Meria didn't walk away from the May 14 Michigan Emmy ceremony with an award this year, the nomination is testament to the talent and dedication of students in WCC's thriving Digital Video program.

Hello Addy

Two WCC graphic design students were honored with 2011 Addy Awards from The Ann Arbor Ad Club. Student **Susan Gieseker won gold** in the student category for "Pioneer Sugar Redesign" and **Tim Deglopper took the silver** for "Germack Pistachios Redesign."

Skillful students

Every year SkillsUSA presents an opportunity for students in vocational and technical programs to compete for prizes and scholarship money. This year the Michigan Skills competition held April 15-17 in Lansing **resulted in 21 medals for WCC** including nine gold medal winners who will continue on to the June 19-24 SkillsUSA Championships in Kansas City.

Congrats to this season's WCC gold medal winners:

Andrew Smith–Carpentry

Brandon Woodman–Welding Overall

Jacob Santilli–Auto Service-Master Tech

Jack Wynn–Motorcycle Service

Jesus Olivia–Auto Body-Collision Repair

Norman Roxas–Mobile Electronics

Tarrah DeBord, Stephen Kuipers, Paul Riley–Welding Fabrication Team

Robert Feldcamp–Auto Body-Refinishing

Supansa Banker–Culinary Job Skills Demonstration

Eye-witness to Egypt's Revolution

WCC humanities instructor Elisabeth Thoburn is an intrepid traveler who has documented her extensive travels to the Middle East through her blog (www.elisabeththoburn.com) and presentations to WCC staff, students and community members.

In February, she had already planned an extended tour covering Egypt, Turkey, Iraq and Israel when protests and riots broke out in Egypt. Despite the upheaval, she weighed the situation, decided to go ahead with her trip and found herself a witness to history–once again. In 2007 Thoburn unexpectedly found herself in Pakistan when Prime Minister Benazir Bhutto was assassinated, and she eloquently documented that experience in her presentations and slide shows.

Thoburn, a native of communist East Germany, writes movingly in her blog of the experiences in Cairo's Tahir Square saying, "In 1989, when the Berlin Wall fell, communism was toppled, the cold war came to an end–I was in Ann Arbor.

"I missed my revolution. I am grateful that I was allowed a glimpse today into the Egyptian revolution, that I was able to meet some of its participants and to witness a slice of history in the making. Perhaps, that's why I am here." CF

WCC Connection

"Retail" continued from page 4

Great careers in retail

And, according to Byrne and Shavalia, working in retail often opens doors and job opportunities that no one can predict. "Mark Harkins started working at 7-Eleven when he was 15 and in 1996 Taco Bell recruited him to be the marketing manager in San Diego. Now he is a vice president for Taco Bell. Jan Fields, president of McDonald's USA, began working for that company as a 22-year-old young mother trying to earn money for college," Byrne says.

Byrne's own 30-plus-year corporate career included a vast array of jobs and opportunities including vice president for planning and development of a multi-billion dollar pharmaceutical company. "I didn't start out thinking I'd be a VP for a major company, believe me. I went into retail because of the opportunities and wound up being the VP of merchandising for a retail drug chain before working for a pharmaceutical wholesaler," Byrne says.

Shavalia also is a strong believer in retail as a career choice. "It upsets me when I hear someone say, 'I've only worked in fast food–that doesn't make an impressive resume,'" says Shavalia. "Guest relations, multitasking and the ability to make decisions on the fly are all skills that can be developed through this work and should not be underrated. Everyone can learn and improve their skills on the job, as well as in the classroom." **CF**

"Support" continued from page 14

"We find out our students' needs, become good listeners and counsel accordingly," he says.

Attention to you

Once you're enrolled in college, you'll find a way to make your busy life work.

Sometimes, though, it takes just one car breakdown, or one child with the flu, and then the wheels begin to fall off the bus. However, most community colleges offer personal counseling services. These services help you manage your life outside the classroom so you can remain in the classroom. Students can find resources about stress management, depression, alcohol and drug abuse and more.

With the tougher economy, Highland Community College noted that more students were struggling with unemployment, bills and remaining in school. The college now partners with a local healthcare organization for mental health services. Students have access to a mental health counselor who visits the campus 10 hours a week.

Gerber believes that adding the counseling has not only benefitted students but has raised college officials' awareness of student needs. "Without counseling, students are going to bring their problems and crises to school with them," says Gerber. "Through counseling we become aware of the circumstances our students deal with, whether it's domestic violence or a death in the family."

As more veterans enroll, community colleges are providing additional services specifically for them. Mount Wachusett Community College in Gardner, Mass. has expanded both personal and academic counseling services for veterans. At the new Center of Excellence for Veteran Student Success, veterans learn about courses, GI benefits and college life, says Kristine Larkin, assistant project director of the center.

"As these men and women transition from service to college they encounter many barriers," she says. "They often feel alone and need guidance and support in making sense of the unfamiliar." **CF**

Take the Next Step

Do you want to find out more about WCC programs and classes? Are you ready to apply for admission? Get started now and you could be learning a new skill in a WCC classroom next semester. Just follow these links to important information on the WCC website.

1. Learn More About WCC programs

WCC offers more than a hundred certificate, associate degree and transfer programs. Look over the online listing and begin exploring programs that meet your interests and goals.

2. Apply for Admission

WCC's application for admission is free and it can be completed online. Whether you plan to earn a certificate or an associate degree, transfer to a university or take a few courses, WCC has classes and programs that provide the skills you need. Once you apply, you'll be mailed information you need to complete the admission process.

3. Search the Class Schedule

Find out which classes will be offered in the upcoming semester.

4. Apply for Federal Financial Aid

Need help paying for your education? Learn more about federal financial aid, scholarships and low-interest federal student loans.

5. Find out About Orientation

If you're new to WCC, online orientation is a required first step before you can register for classes. New college students may also be required to attend an on-campus orientation and take the COMPASS placement test. Find out more about the process here.

6. Connect with Counseling and Advising

WCC counselors can help you set goals, decide on a course of study and select the right classes. Whether you plan to transfer to a four-year university or earn a WCC degree, a visit to the Counseling and Advising office provides you with an opportunity to ask questions, explore your options and decide on the best course of study for your goals.

Fall Semester Dates to Remember

July 13	**Fall registration begins for current and readmitted students**
July 20	**Fall registration begins for new students**
August 9	**Suggested application deadline for start-of-semester and 2nd 12-week classes**
August 24	**Last day to register for start-of-semester classes**
August 26	**Fall semester begins**

WCC: Your Community College

You'll find over a hundred certificate and degree programs in the 14 schools of study at WCC. Choose the schools that match your interests and select from the related programs.

Want to get into a new career as quickly as possible? A certificate program consisting of 15- to 30-credit hours can have you on the job within a year.

Want vocational or technical training along with solid academics? An associate degree program with about 64 credit-hours will prepare you for in-demand professions in fields such as healthcare, information technology, media arts and more.

Plan on earning a bachelor's degree or higher? Two years of foundation courses at WCC will prepare you to transfer to nearly any four-year college in the nation and save you thousands of dollars too.

FIND More Online

WCC Schools

Explore the WCC schools listing below for a career that fits your goals.

Want to learn more? Link to WCC videos to see what WCC schools and programs have to offer.

School of Advanced Manufacturing Systems

Whether your interest is in manufacturing or automation, the programs in the School of Advanced Manufacturing Systems will fit your needs. Maintain and troubleshoot the machines that make commercial goods by specializing in one or more aspects of the machining industry. Develop entry level or advanced skills in electronics, automation, hydraulics or numerical controls. Advanced specialization is also available in some of these areas.

Automation
- Fluid Power Certificate
- Automation Technology Associate in Applied Science

Electronics
- Industrial Electronics Technology Certificate
- Industrial Electronics Technology II Advanced Certificate

Machine Tool
- Machine Tool Technology Certificate

Manufacturing
- Numerical Control Programming Certificate

Related Options

Welding–See School of Construction Technology

Computer Systems Technology Certificate–See School of Information Technology

Planning to transfer? Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions.

Salaries

Computer numerically controlled machine tool programmers, metal and plastic –$48,400

Machinists–$39,780

School of Apprenticeship and Occupational Studies

Find a trade-related associate degree program that builds on your unique set of skills while giving you the knowledge and skills needed to move into organizational leadership.

Apprenticeship Studies
- Apprentice Completion Certificate
- Journeyman Industrial Associate in Applied Science
- Occupational Studies Associate in Applied Science

Articulated Union Building Trade Programs (including U.A.)
- Construction Supervision Certificate
- Construction Supervision Associate in Applied Science
- Construction Supervision Associate in Science

United Association of Journeymen and Apprentices of the Plumbing and Pipefitting Industry of the United States and Canada
- Industrial Training Associate in Applied Science
- Industrial Training Associate in Science
- Sustainable Technologies in HVACR Associate in Applied Science

Planning to transfer? Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions.

Salaries

Plumbers, pipefitters, and steamfitters–$50,360

School of Automotive and Motorcycle Technology

If you are looking for the best technical training in the automotive or motorcycle fields, WCC's School of Automotive and Motorcycle Technology is the place for you. Whether your focus is finding employment as a technician, learning about performance or creating a custom look, our introductory and advanced certificate programs as well as associate's degrees will enhance your personal and professional qualifications. These programs offer the perfect blend of classroom and hands-on education not available in any other educational setting.

Auto Body Repair
- Auto Body Repair Certificate
- Collision Repair Refinish Technician Advanced Certificate
- Collision Repair Technician Advanced Certificate

Automotive Services
- Automotive Services Technician Certificate

Custom Cars & Concepts
- Custom Auto Body Technician Advanced Certificate
- Custom Fabrication & Chassis Design Advanced Certificate

Motorcycle Service Technician
- Motorcycle Service Technology I Certificate
- Motorcycle Service Technology II Advanced Certificate

Related Options

Welding–See School of Construction Technology

Occupational Studies–See School of Apprenticeship and Occupational Studies

Planning to transfer? Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions.

Salaries

Automotive body and related repairers–$41,270

Automotive service technicians and mechanics–$38,200

First-line supervisors of mechanics, installers, and repairers–$61,350

Motorcycle mechanics–$33,950

Salaries are national medians based on the U.S. Bureau of Labor Statistics Occupational Employment Statistics, May 2010.

School of Business and Entrepreneurial Studies

Learn the fundamentals you will need to become a business leader or entrepreneur. These programs help you develop entry-level skills in various aspects of business. Whether your goal is to make your place in an existing industry or branch out on your own, these programs can provide the foundation for success.

Entrepreneurship
- Entrepreneurship Certificate

Business
- Business Sales and Marketing Certificate
- Human Resource Management Certificate
- Retail and Business Operations Certificate
- Management Supervision Advanced Certificate
- Management Supervision Associate in Applied Science
- Retail Management Associate in Applied Science

Accounting
- Accounting Certificate
- Accounting Associate in Applied Science

Business Office Systems
- Administrative Assistant I Certificate
- Computer Software Applications Certificate
- Medical Office Assistant Certificate
- Administrative Assistant II Advanced Certificate
- Administrative Assistant Technology Associate in Applied Science

Related Options

Business Associate in Art–See Transfer and University Parallel Programs

Occupational Studies–See School of Apprenticeship and Occupational Studies

Planning to transfer? Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions.

Salaries

Sales representatives–$60,430 to $84,360
Human resources assistants–$37,900
First-line supervisors of retail sales workers–$39,890
First-line supervisors of non-retail sales workers–$81,120
First-line supervisors of office and administrative support workers– $50,770
Accountants and auditors–$68,960
Bookkeeping, accounting, and auditing clerks–$35,340
Executive secretaries and executive administrative assistants–$45,860
Medical secretaries–$31,820
Secretaries and administrative assistants–$32,000

School of Child Care Professionals

Whether you are looking to care for children in a home-based center or a professional or school-based setting, these programs can prepare you for an entry-level position as a childcare professional.

- Child Development Certificate
- Child Care and Education Advanced Certificate
- Child Care Professional Associate in Applied Science

Related Options

Early Childhood Education Associate in Art–See Transfer and University Parallel Programs

Planning to transfer? Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions

Salaries

Preschool teachers–$29,200

School of Construction Technology

Become part of the growing global community of skilled trades' professionals or skilled trades' managers. Design, plan, construct and complete structures for your home or for your career. You can earn a certificate or degree in Residential Construction, Construction Management or Heating, Ventilation and Air Conditioning. These programs offer the perfect blend of classroom education and hands-on training.

Construction Management
- Commercial Property Maintenance Technology Advanced Certificate
- Construction Management Associate in Art

HVACR
- Heating, Ventilation, Air Conditioning and Refrigeration Residential Certificate
- Heating, Ventilation, Air Conditioning and Refrigeration Commercial Advanced Certificate
- Heating, Ventilation, Air Conditioning and Refrigeration Industrial Advanced Certificate
- Heating, Ventilation, Air Conditioning and Refrigeration Associate in Applied Science

Residential Construction
- Residential Construction I Certificate
- Cabinetmaking/Millwork Systems Technology Advanced Certificate
- Residential Construction II Advanced Certificate
- Residential Construction Associate in Science

Welding and Fabrication
- Welding Certificate
- Welding Mechanics Advanced Certificate
- Welding Associate in Applied Science

Related Options

Management Supervision Advanced Certificate–See School of Business and Entrepreneurial Studies

Management Supervision Associate in Applied Science– See School of Business and Entrepreneurial Studies

Planning to transfer? Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions.

Salaries

Carpenters–$43,890
First-line supervisors of construction trades and extraction workers–$62,260
Heating, air conditioning, and refrigeration mechanics and installers–$44,860
Welders, cutters, solderers, and brazers–$37,370

Salaries are national medians based on the U.S. Bureau of Labor Statistics Occupational Employment Statistics, May 2010.

School of Criminal Justice and Law Enforcement

Develop the skills and knowledge necessary for work in law enforcement and criminal justice. Completion of the Police Academy Certificate prepares you to take the exam necessary for a career as a police officer.

- Police Academy Certificate
- Criminal Justice/Law Enforcement Associate in Applied Science

Related Options

Criminal Justice Associate in Art–See Transfer and University Parallel Programs

Planning to transfer? Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions.

Salaries

Detectives and criminal investigators–$73,010
Police and sheriff's patrol officers–$55,620

School of Culinary Arts and Hospitality Management

Find your passion in food, friends and elegant surroundings. Develop skills for an entry-level position in restaurant, hospitality or institutional settings. Whether your interests lie in pastry and wedding cakes, food preparation and marketing or management of food service, these are the programs for you.

- Baking and Pastry Certificate
- Culinary Arts Certificate
- Hospitality Management Certificate
- Culinary and Hospitality Management Associate in Applied Science

Related Options

Management Supervision Advanced Certificate–See School of Business and Entrepreneurial Studies

Management Supervision Associate in Applied Science–See School of Business and Entrepreneurial Studies

Occupational Studies–See School of Apprenticeship and Occupational Studies

Planning to transfer? Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions.

Salaries

Bakers–$25,350
Chefs and head cooks–$44,780
Food service managers –$52,220
Lodging managers–$54,570

School of Digital Media Arts

Creativity abounds in the School of Digital Media Arts which encompasses the disciplines of animation, graphic design, Internet professional, photography and video. These programs introduce students to foundational skills and prepare them for creative jobs in these disciplines.

3-D Animation
- 3-D Animation Certificate
- 3-D Animation Associate in Applied Science

Digital Video
- Digital Video Production Certificate
- Digital Video Production Associate in Arts

Graphic Design
- Graphic Design Certificate
- Graphic Design Associate in Applied Science

Internet Professional
- Web Technology Certificate
- Web Application Developer Advanced Certificate
- Web Graphic Design Advanced Certificate
- Web User Experience Advanced Certificate

Photography
- Photographic Imaging Certificate
- Photographic Technology Associate in Applied Science

Related Options

Internet Professional AA Degree–See Transfer and University Parallel Programs

Planning to transfer? Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions.

Salaries

Art directors–$94,100
Camera operators, television, video, and motion picture–$48,450
Film and video editors–$61,890
Graphic designers–$48,140
Multimedia artists and animators–$63,440
Photographers–$35,980
Web Developers (included within the category of information security analysts, web developers, and computer network architects)–$79,370

Washtenaw Community College ADA/EEO/Title IX/Section 504 Compliance Statements

Washtenaw Community College does not discriminate on the basis of race, sex, color, religion, national origin, age, disability, height, weight, marital status or veteran status in provision of its educational programs and services or in employment opportunities and benefits. WCC is committed to compliance in all of its activities and services with the requirements of Title IX of the Educational Amendments of 1972, Public Act 453, Section 504 of the Rehabilitation Act of 1973, Title VII of the Civil Rights Act of 1964 as amended, Public Act 220, and the Americans with Disabilities Act of 1990.

Inquiries concerning programs and services under Title IX and Section 504, and the Americans with Disabilities Act should be directed to the Office of the Associate Vice President of Student Services, Room SC 275A, Student Center Building, 734-973-3536. Inquiries regarding compliance in employment should be directed to the College Affirmative Action Officer in the Office of Human Resource Management, Room 120, Business Education Building, 734-973-3497. Inquiries concerning access to facilities should be directed to the Director of Plant Operations, Plant Operations Building, 734-677-5300.

Title II Student Right to Know and Campus Security Act Compliance Statement

The Student Right to Know and Campus Security Act of 1990 is a federal law that mandates the disclosure by all institutions of higher education of the rates of graduation, the number of incidents of certain criminal offenses, and the default rate for student loans. The law also mandates that information be provided on the type of security provided on campus, the pertinent policies regarding security on campus, and policies that record and deal with alcohol and drug abuse. Washtenaw Community College is in full compliance with these provisions and provides the required information annually through college publications. Inquiries concerning the Student Right to Know and Campus Security Act should be directed to Washtenaw Community College, Office of the Associate Vice President of Student Services, Room SC 275A, Student Center Building, Ann Arbor, MI 48105 (telephone 734-973-3536).

WCC is a smoke-free campus.

Washtenaw Community College is accredited by

The Higher Learning Commission of the North Central Association
230 South LaSalle Street, Suite 7-500
Chicago, Illinois 60604-1413
312.263.0456
www.ncahlc.org
For information on Washtenaw Community College, visit www.wccnet.edu, or call 734-973-3300

Salaries are national medians based on the U.S. Bureau of Labor Statistics Occupational Employment Statistics, May 2010.

School of Information Technology

The School of Information Technology gathers the diverse areas that make up the computer technology of today. From basic programming languages to systems development through networking, these programs provide the core of information technology. Develop skills in computer networking or programming in the growing field of applied information technology.

Networking

- Computer Systems Technology Certificate
- Computer Networking Academy I Advanced Certificate
- Computer Networking Operating Systems I Advanced Certificate
- Computer Networking Associate in Applied Science

Programming

- Foundations of Information Systems Certificate
- C++ Programming Advanced Certificate
- Programming in Java Advanced Certificate
- Web Database Programmer Advanced Certificate
- Computer Science: Programming in Java Associate in Science
- Information Systems: Programming in C++ Associate in Science

Computer Security and Data Analysis

- Foundations of Computer Security Certificate
- Network Security Advanced Certificate
- Computer Systems Security Associate in Applied Science

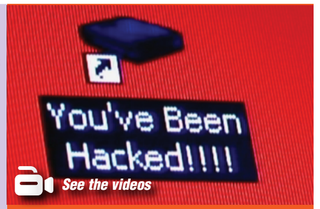
Systems Development and Administration.

- Linux/Unix Systems I Certificate

Related Options

Computer Science Transfer AS Degree, Information Systems Transfer AS Degree, Mathematics and Computer Science AS Degree– See Transfer and University Parallel Programs

Planning to transfer? Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions.



See the videos

Salaries

Computer programmers–$74,900
Database administrators–$75,730
Network and computer systems administrators–$72,200
Software developers, applications–$90,410
Software developers, systems software–$97,960

School of Music and Performing Arts

Students learn basic creative and performance skills in music, drama and dance and how they are applied in a professional setting. Whether you are exploring your own talents, coordinating the talents of others, or practicing the techniques you will need to make a living at your craft, the School of Music and Performing Arts provides the fundamentals you need.

Music and Performing Arts

- Music Production/Engineering Certificate

Planning to transfer? Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions.

See the video

Salaries

Actors–$17.44/hr
Dancers–$13.16/hr
Musicians and singers–$22.39/hr
Sound Engineering Technician–$54,030

What is the National Median Salary?

CareerFocus uses salary information from the U.S. Bureau of Labor Statistics unless noted otherwise. These figures represent the national midpoint earnings for each job description. This means that half the U.S. employees surveyed in a particular occupation earn less than this figure and half earn more.

Individual salaries vary based on the region, the size of the employer and the employee's education, experience and skill level. You can research your potential salary by searching careers in the Occupational Outlook Handbook on the U.S. Bureau of Labor Statistics website (*www.bls.gov*) at or by checking with professional organizations and local employers.

Salaries are national medians based on the U.S. Bureau of Labor Statistics Occupational Employment Statistics, May 2010.

School of Nursing and Health Sciences

Find your place in the growing field of health care. The School of Nursing and Health Sciences provides a variety of programs designed to prepare the student for entry-level positions in dental assisting, pharmacy technology, physical therapist assistant, radiography, nursing assistant or professional nursing. The health care foundations certificate provides a starting point for prospective nursing and health science students or provides the general education courses to move from completion of a certificate program into an associate degree program.

Dental Assisting

- Dental Assisting Certificate

Health Care Foundations

- Health Care Foundations Certificate

Nursing

- Nursing Assistant Skills Training Certificate of Completion
- Nursing Transfer EMU School of Nursing Associate in Applied Science
- Registered Nursing Associate in Applied Science

Pharmacy Technology

- Pharmacy Technology Certificate

Physical Therapist Assistant

- Physical Therapist Assistant Associate in Applied Science

Radiography

- Radiography Associate in Applied Science

Related Options

Management Supervision Advanced Certificate–See School of Business and Entrepreneurial Studies

Management Supervision Associate in Applied Science– See School of Business and Entrepreneurial Studies

Planning to transfer? Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions.

See the video

Salaries

Dental assistants–$34,140
Home health aides–$21,760
Pharmacy technicians–$29,330
Physical therapist assistants–$49,810
Radiologic Technology and Technicians–$55,730
Registered Nurses–$67,720

School of Professional Communication

We live in an age of communication. The School of Professional Communication is here to serve those who want to develop skills in radio broadcasting, technical communications or print and online journalism.

- Broadcast Arts Associate in Arts
- Journalism Associate in Arts Degree
- Technical Communication Certificate
- Technical Communication Associate in Arts Degree

Planning to transfer? Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions.

Salaries

Radio and television announcers –$39,910
Editors –$59,340
Reporters and correspondents–$43,780
Technical writers –$66,240
Writers and authors –$65,960

Transfer and University Parallel Programs

If your goal is to continue your education toward a baccalaureate degree, then the Transfer and University Parallel program is the track for you. Complete the first two years of study in a supportive environment with small classes and personal attention.

Business

- Business Associate in Art

Computer Science

- Information Systems: Programming in C++ Associate in Science
- Computer Science: Programming in Java Associate in Science
- Math and Science Associate in Science

Criminal Justice

- Criminal Justice Associate in Arts

Education

- Early Childhood Education Associate in Arts
- Elementary Education Associate in Arts
- Secondary Education Associate in Arts

Exercise Science

- Exercise Science Associate in Science

Internet Professional

- Internet Professional Associate in Arts

Liberal Arts Transfer

- Liberal Arts Transfer Associate in Arts

Math and Science

- Environmental Science Associate in Science
- General Studies in Math and Natural Science Associate in Science
- Math and Science-Math Concentration Associate in Science
- Pre-Engineering/Physics Associate in Science
- Pre-Medicine/Biology Associate in Science
- Pre-Medicine/Chemistry Associate in Science

Social Work

- Human Services Associate in Arts

Talk to a WCC counselor about the College's wide range of transfer and articulation agreements with four-year institutions.

Salaries

Business
Financial analysts–$86,040
Wholesale and retail buyers–$56,300
Market research analysts and marketing specialists–$66,850

Computer Science
Computer and information research scientists–$103,150
Computer systems analysts–$81,250

Criminal Justice
First-line supervisors of correctional officers–$58,290
First-line supervisors of police and detectives–$80,770

Education
Elementary school teachers–$54,330
Secondary school teachers–$55,990

Exercise Science
Athletic trainers–$44,030

Internet Professional
Web Developers (Information security analysts, web developers, and computer network architects) –$79,370

Liberal Arts Transfer
Economists–$99,350
Historians–$57,840
Political scientists–$107,930
Social scientists and related workers–$77,890

Math and Science
Conservation scientists –$61,200
Environmental scientists and specialists, including health –$67,810
Physicians or Surgeons–from $173,860 to $225,390 depending on specialization
Engineer –From $74,790 to $127,970 depending on specialization

Social Work
Social workers –$52,270

Salaries are national medians based on the U.S. Bureau of Labor Statistics Occupational Employment Statistics, May 2010.

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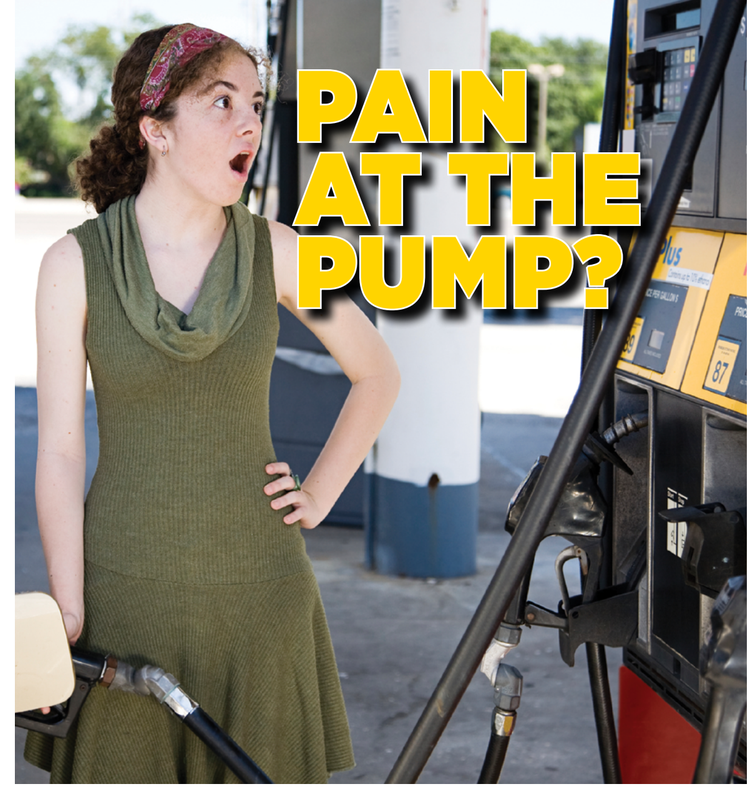

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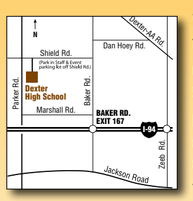
Registration starts July 20
for new students
Classes start August 26

In Western Washtenaw County

Dexter Site

Dexter High School, 2200 N. Parker Road, Dexter, 734-424-0388



WCC offers credit classes at Dexter High School, Monday through Thursday.

Classes run at various times starting at 3:30 p.m. until 9:00 p.m.

Dexter High School students, 15 years and older, can dual-enroll in select college classes, with parent and high school counselor approval.

These classes transfer to four-year college programs.

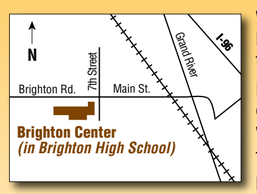
Fall classes include

COM 101	Fundamentals of Speaking	MTH 067	Foundations of Mathematics
ENG 111	Composition I	MTH 097	Foundations of Algebra
ENG 226	Composition II	MTH 160	Basic Statistics
ENG 270	Creative Writing I	MTH 169	Intermediate Algebra
ENG 271	Creative Writing II	PSY 200	Child Psychology

In Livingston County

Brighton Center

Brighton High School, 7878 Brighton Road, Brighton, 810-299-4195



WCC offers credit classes at Brighton High School, Monday through Thursday. Classes run at various times starting at 3:30 p.m. until 9:00 p.m.

Brighton High School students, 15 years and older, can dual-enroll in select college classes with parent and high school counselor approval.

These classes transfer to four-year college programs.

Fall classes include

ART 101	Introduction to Studio Art	MTH 067	Foundations of Mathematics
ART 111	Basic Drawing I	MTH 097	Foundations of Algebra
COM 101	Fundamentals of Speaking	MTH 160	Basic Statistics
COM 102	Interpersonal Communication	MTH 169	Intermediate Algebra
ECO 211	Principles of Economics I	PHL 101	Introduction to Philosophy
ENG 090	Writing Fundamentals I	PLS 112	Introduction to American Government
ENG 091	Writing Fundamentals II	PSY 100	Introduction to Psychology
ENG 111	Composition I	SOC 100	Principles of Sociology
ENG 226	Composition II	SPN 111	First Year Spanish I
HST 201	United States History to 1877		
HUM 101	Humanities I - Ancient to Medieval Times		

For dates and times of classes go to www.wccnet.edu/schedule

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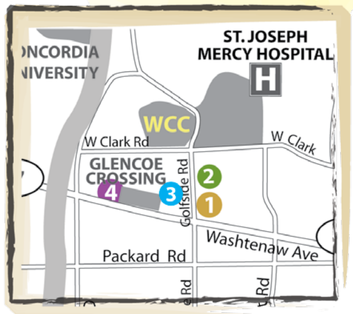

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Washtenaw Community College

We're not U-M, but we're close

WCC offers classes at Mason Hall, in the heart of U-M's main campus

This fall, you can take WCC credit classes taught by WCC instructors, at convenient evening hours, Monday through Thursday in U-M's Mason Hall.

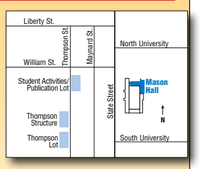
Fall classes include:

BMG 140	Introduction to Business
BMG 150	Labor-Management Relations
CIS 099	Computer Skills for Beginners
CIS 100	Introduction to Computers and Software Applications
CIS 110	Introduction to Computer Information Systems
CPS 171	Introduction to Programming with C++
ENG 111	Composition I
ENG 226	Composition II
MTH 160	Basic Statistics
PSY 100	Introduction to Psychology
PSY 240	Drugs, Society, and Human Behavior

Registration begins:
July 13 for current and readmitted students
July 20 for new students

FREE PARKING

Free parking is available at 5:30 p.m. in designated spots in the Thompson Street parking structure and the Student Activities/Publications lot.



For dates and times of classes go to www.wccnet.edu/schedule

Washtenaw Community College

734-973-3543 • www.wccnet.edu

WCC FALL 2011

Registration Starts July 20
for new students

Classes start August 26

Don't Get Dropped!

Pay by August 4 to keep your seat
Pay the day of registration after August 4

Check out traditional, weekend, blended and online classes

For dates, times and locations of classes go to *www.wccnet.edu/schedule*

Washtenaw Community College

CareerFocus
Washtenaw Community College
4800 East Huron River Drive
Ann Arbor Michigan 48105-4800

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